

What is claimed as new and desired to be secured by Letters Patent of the United States is:

1. A tool for removing a damaged primer from the primer chamber of a cannon comprising:
 - a starter tap;
 - means for running the tap into the damaged primer; and
 - means for shaking the damaged primer loose from the primer chamber so that the damaged primer comes out of the primer chamber on the edge of the tap.
2. The tool recited in claim 1 wherein the running means includes:
 - a handle.
3. The tool recited in claim 2 wherein the running means includes:
 - a spacer bushing connected to the handle.
4. The primer tool recited in claim 3 wherein the running means includes:
 - a holder for the starter tap.
5. The tool recited in claim 4 wherein the running means includes:
 - a shaft having one end connected to the starter tap holder and the other end connected to the spacer bushing.
6. The tool recited in claim 5 wherein the running means includes:
 - a set screw passing through the holder and against the starter tap for securing the starter tap in the holder.
7. The tool recited in claim 5 wherein the shaking means includes:
 - a slider on the shaft.
8. The tool recited in claim 7 wherein the slider is constrained to slide between the

holder and the spacer bushing.

9. The tool recited in claim 1 in combination with a primer.

10. A primer removal tool comprising:

a starter tap;

a holder for the starter tap;

at least one setscrew passing through the holder and against the starter tap for securing the starter tap in the holder;

a handle;

a spacer bushing connected to the center of the handle;

a shaft having one end connected to the holder and the other end connected to the spacer bushing; and

a knurled slider on the shaft, the slider being constrained to slide between the holder and the spacer bushing.

11. The primer tool recited in claim 10 in combination with a primer.

12. A method for removing a damaged primer from the primer chamber of a cannon with a tool, the method comprising the steps of:

running a starter tap into the damaged primer; and

shaking the damaged primer loose from the primer chamber so that the damaged primer comes out of the primer chamber on the edge of the tap.

13. The method recited in claim 12 wherein the running step includes:

inserting the tap into the center of the damaged primer.

14. The method recited in claim 13 wherein the running step includes:

holding the tool parallel to the centerline of the cannon bore while applying

forward pressure.

15. The method recited in claim 14 wherein the running step includes:
rotating a handle clockwise to run the tap into the primer a few turns.
16. The method recited in claim 14 wherein the running step includes:
turning the handle counterclockwise one-quarter of a turn.
17. The method recited in claim 15 wherein the shaking step includes:
gripping a slider.
18. The method recited in claim 17 wherein the shaking step includes:
pushing the slider forward toward the primer chamber.
19. The method recited in claim 18 wherein the shaking step includes:
quickly pulling the slider backward against a spacer bushing.